

Lack of specificity of antibodies directed against human beta-adrenergic receptors

Nazha Hamdani · Jolanda van der Velden

Published online: 19 March 2009
© Springer-Verlag 2009

**Erratum to: Naunyn-Schmied Arch Pharmacol (2009)
379:403–407
DOI 10.1007/s00210-009-0392-1**

It has come to our attention that the paragraph on cell culture methods in our recent paper (Hamdani and van der Velden 2009) inadvertently contained partly incorrect information. It should have read:

Our experiments are based on CHO cells generated by Dr. Carsten Hoffmann (University of Würzburg, Germany) expressing either the human β_1 -adrenoceptor, β_2 -adrenoceptor, or β_3 -adrenoceptor at densities (B_{\max}) of 118 ± 28 , 202 ± 27 , and 199 ± 59 fmol/mg protein as previously described (Niclaß et al. 2006). CHO cells had been stably transfected with human β -adrenoceptor subtypes using a pcDNA vector and grown in an atmosphere of 5% CO₂/95% air at 37°C in DMEM/F-12 medium supplemented with 10% foetal calf serum, 0.6 g/l NaHCO₃, 100 U/ml penicillin, and 0.1 mg/ml streptomycin. To maintain

selection pressure, the antibiotic G418 (400 μ g/ml) was added to all growing cells in regular intervals but was not present during the last day prior to harvesting the cells. For all experiments, the cells were cultured in the absence of serum for 24 h preceding the experiments to avoid interference of serum factors with cell growth and related signal transduction. Semi-confluent cells were harvested by scraping the culture flasks and centrifugation for 10 min at 200 g. The pellet was resuspended in phosphate-buffered saline and centrifuged for 5 min at 9400 g. The pellets were re-suspended in sample buffer and stored at -80°C . The culturing and membrane preparation was done by Ms. Martina Michel-Reher (Academic Medical Center, Amsterdam, Netherlands).

References

- Hamdani N, van der Velden J (2009) Lack of specificity of antibodies directed against human beta-adrenergic receptors. *Naunyn-Schmiedeberg's Arch Pharmacol* 379:403–407
- Niclaß N, Michel-Reher MB, Alewijnse AE, Michel MC (2006) Comparison of three radioligands for the labelling of human β -adrenoceptor subtypes. *Naunyn-Schmiedeberg's Arch Pharmacol* 374:79–85

The online version of the original article can be found at <http://dx.doi.org/10.1007/s00210-009-0392-1>

N. Hamdani (✉) · J. van der Velden
Laboratory for Physiology, Institute for Cardiovascular Research,
VU University Medical Center,
van der Boechorststraat 7,
1081 BT Amsterdam, The Netherlands
e-mail: nazha.hamdani@vumc.nl